



PATENT ABSTRACTS OF JAPAN

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(54) NOVEL FLAVONE DERIVATIVE

(57) Abstract:

NEW MATERIAL: A compound of formula I (R^1 is 4W20C alkoxy; R^2 , R^3 are lower alkoxy; R^4 , R^5 are hydroxyl, lower alkanoyloxy, phenyl-lower-alkoxy) and its salt.

EXAMPLE: 3',4'-Dibenzoyloxy-5-hexyloxy-6,7-dimethoxyflavone.

USE: An inhibitor of arachidonic acid 5-lipoxygenase. It can be expected to be used in prevention and treatment for a variety of diseases caused by the formulation of SRS-A such as asthma, inflammation and allergy.

PREPARATION: For example, the reaction of a compound of formula II with another compound of formula III (R^4, R^5 are phenylenoxy) is effected, preferably in the presence of a dehydrohalogenation agent at 80W130 °C, the resultant product of formula IV is subjected to intramolecular rearrangement to give a com-

ound of formula V, then the cyclization of the compound is conducted in the presence of a catalyst to give the corresponding compound of formula I.

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